

# *The Fortnightly* **REVIEW** *of*

**THE CHICAGO DENTAL SOCIETY**

*June 1, 1951*

*Volume 21 • Number 11*

## **State Society Meets In Peoria**

**Dr. James E. Mahoney Made President-Elect**

**S**ome 800 people gathered at the Pere Marquette Hotel in Peoria on May 7, 8, 9, and 10, to take in the traditionally fine meeting of the Illinois State Dental Society. Blessed, for the most part, with beautiful weather, the four-day meeting began with the Annual Sports Day on Monday and continued on through fifty-two table clinics on Thursday, the final day. The selection of Thursday as General Clinics Day paid off with a grand attendance and made a fitting climax to the 87th Annual Meeting.

### **ELECTION OF OFFICERS**

The election of officers resulted in James E. Mahoney of Wood River being given the post of president-elect. Wallace M. Peters of Peoria, able local arrangements chairman, was selected as vice-president; Paul W. Clopper of Peoria was reappointed secretary, and Werner J. Gresens of Chicago was given a second term as treasurer. Melford E. Zinser, present president-elect, will assume the presidency on January 1, 1952.

Two Chicago councilmen were elected to take the places of Joseph F. Porto and Walter R. Scanlan, whose terms expire this year. The delegation gave its unanimous approval to Corvin F. Stine and Leonard Holt. The election of Dr. Holt marks the first time in history that the South Suburban Branch, Chicago's

smallest, has had a representative on the Council.

### **GENERAL SESSIONS**

The First General Session featured an address by Harold W. Oppice, president of the American Dental Association. Dr. Oppice spoke on "Current Association Problems" and gave his listeners an insight into the complexities of running Association affairs. He said that the military has consulted with A.D.A. officials prior to putting out its directives and has sought to maintain a balance between civilian and military personnel. He advised those dentists who are in the top priority ratings to apply for commissions before the draft catches up with them. He spoke at some length on the problem of Social Security and warned that it is highly inconsistent to fight compulsory health insurance, which its advocates claim will furnish adequate medical and dental care to the population, on the one hand, and then, on the other hand, ask the government for a hand-out ourselves.

The Second General Session brought to the rostrum Reverend R. G. Reichman of Decatur, who gave an inspirational address on "Statism." Dr. Reichman said that the welfare state is only a disguise for the totalitarian state by the route of spending. It is impossible,

*(Continued on page 23)*

# **GOOD WEATHER GUARANTEED**

(By Old Farmer's Almanac)



## **ANNUAL GOLF OUTING** of the **CHICAGO DENTAL SOCIETY**

at the sporty, wooded course

### **NORDIC HILLS COUNTRY CLUB**

(Just south of Irving Park Road)

**Itasca, Illinois**

WEDNESDAY, JUNE 20

If you don't have a foursome—don't worry  
about it, the Committee will fix you up

Exhibition of Golf Shots by famous pro

(What to do and what not to do)

at 5:30 p.m.

Dinner at 7:00 p.m.

Telephone reservation to RAndolph 6-4076

**Folmer Nymark, Chairman**

# EDITORIAL

---

## PASSING IN REVIEW

As another Society year comes to a close, it seems fitting and proper to publicly acknowledge the accomplishments of the outgoing administration. Faced with several critical issues, the latest one being the unionization of dental laboratories, the officers and directors applied themselves to the solution of them with a great unanimity of purpose. There was plenty of discussion and some differences of opinion, but the issues were resolved on the broad aspect of what was best for the Chicago Dental Society. The members of the Society can be proud of their representatives who served them so well during the past year.

Five members of the official family retire this year: president, Arno L. Brett; vice-president, Robert V. Riemer; and three directors, Walter E. Dundon, Kenwood-Hyde Park; Silvio J. Tiberi, South Suburban and William R. Gubbins, West Side. Each of these men contributed unselfishly of his time and effort to the society's welfare during his term of office and each of them will be missed in future deliberations of the Board.

President Brett deserves especial commendation for conducting the Board meetings with neatness and dispatch. Some of them could have dragged out interminably with a less astute presiding officer. Besides presiding at Society and Board meetings, he found time to look in on committee meetings and, in general, to keep tab on all that went on.

While saluting the officers and directors for a job well done, we cannot refrain from mentioning that all their efforts would have been in vain without the cooperation of the privates in the ranks. To them goes special praise, for it is to them that we owe the continued success of our organization.

## LET'S BE REALISTIC

After the events of last November, when the professions were given credit for helping elect men to office who were opposed to socialism and all it stands for, there was quite a letdown on all fronts. We had fought the good fight and were apparently willing to rest on our laurels. We were lulled into a sense of false security when we should have remembered that vigilance is the price of liberty. People must still be educated. They must be made to know that socialized medicine is political medicine and that if this scheme is ever put into effect it will be run by politicians and not by trained medical personnel.

There is still plenty of propaganda being dished out by the Social Security administration to the effect that private enterprise has failed to protect the common man in the field of medical care and sickness insurance. Almost six months ago, it was shown that over 70,000,000 Americans were protected for hospitalization, 45,000,000 had surgical benefits, 18,000,000 had medical care and 35,000,000 had loss of time due to accident and sickness protection. All this has been done voluntarily. If about 46 per cent of the population can be covered by voluntary hospital insurance at a time when the plans are still relatively new, the government certainly has a poor case in its argument that compulsion is the only answer.

Figure it out for yourself. Compulsion is never the best answer for any problem. Whenever it is put into effect, it is because it is the least of all evils. Besides, it is being proved more and more conclusively that the American people are making their own choice. They are choosing the voluntary way. Let's preach that gospel whenever we get a chance.

# NEWS AND ANNOUNCEMENTS

---

## **NORTHWESTERN UNIVERSITY CENTENNIAL CONFERENCE**

Northwestern University invites the members of the Chicago Dental Society to attend its Centennial Conference, "Problems of an Aging Population," Thursday and Friday, June 7 and 8, at Thorne Hall on the Chicago Campus. The meeting is the fourth in a series of Academic Conferences held by the University in celebration of its Centennial, and is being sponsored jointly by the Medical and Dental Schools. Three sessions are open to the public. They are: Thursday evening, "Social Implications of an Aging Population," at which Phillip Hauser, Professor of Sociology, University of Chicago, will be the speaker; and Fred K. Hoeler, Director, the Illinois, Department of Public Welfare, and L. J. Wadsworth, Midwest Regional Director of the American Federation of Labor, will be discussants.

Friday afternoon the program includes: Edwin Witte, Chairman, Department of Economics, University of Wisconsin, "Government's Attitude and Responsibility to an Aging Population; Arthur Goldberg, General Counsel, Congress of Industrial Organization, "Organized Labor's Attitude and Responsibility Toward an Aging Population"; and, James H. Taylor, Director of Personnel and Labor Relations, Proctor and Gamble, "Management's Attitude and Responsibility Toward an Aging Population."

Friday evening will be devoted to the topic, "Anticipating Aging with Assurance." Speakers will be Leonard A. Scheele, Surgeon General, United States Public Health Department, Dr. C. H. Hardin Branch, Chairman, Department of Psychiatry, University of Utah, School of Medicine, and Charles A. Siegfried, Associate Actuary, Metropolitan Life Insurance Company, New York.

## **UNIVERSITY OF ILLINOIS ALUMNI SPRING OUTING**

Dental alumni of the University of Illinois will hold their annual outing at the White Pines Golf Club, Bensenville, on Wednesday, June 13. Golf will be featured during the morning and afternoon. In the evening, the alumni will honor the 1951 graduating class of the College of Dentistry. Awards and prizes will be announced at that time.

## **NEW MOTION PICTURES AVAILABLE**

Two dental health education motion pictures, which have been approved by the Council on Dental Health, are now available for showing before lay groups. Their titles are "Teeth Are to Keep" and "Come Clean." Both films may be secured on a rental basis from the American Dental Association, 222 E. Superior St., Chicago 11.

"Teeth Are to Keep" is produced by Encyclopedia Britannica Films, Inc. (16 mm. color., sound, 11 min.) For primary and middle grades; rental \$2.50 per day; \$4.50 per week.

"Come Clean," produced by Dr. Forrest R. Slavens, Steamboat Springs, Colorado, (16 mm., color, sound, 10 min.) For high school, college and adult groups; rental, \$2.50 per day, \$4.50 per week. This film may be purchased, if desired, for \$55.00 (black and white) and \$100.00 (color).

## **SURVEY REVEALS OPPORTUNITIES**

A recent survey prepared by the Veterans Administration indicates that both the medical and dental professions offer excellent opportunities for those able to

*(Continued on page 26)*

# Dental Radiography for the General Practitioner\*

By Duane W. Lovett, D.D.S., Iowa City, Iowa

**[Editor's Note:** Dr. Lovett is Associate Professor of Radiology and Oral Diagnosis, State University of Iowa, College of Dentistry. He was on active duty with the U. S. Army Air Force in 1941 and in 1945 was on the faculty of Loyola University, School of Dentistry in New Orleans. He is a member of American Academy of Dental Medicine, American Academy of Oral Roentgenology and the International Association of Dental Research and has been a frequent contributor to the literature.]

The modern practice of general dentistry requires the use of dental radiographic procedures to afford the patient an adequate dental health service. These



Dr. Lovett

procedures offer a visual means as an aid in determining the condition of the oral tissues not visible to the human eye. The use of dental radiography in general dental practice is specifically diagnostic and offers a valuable aid to dental diagnosis, treatment planning, and many phases of dental treatment without embodying the therapeutic use of x-radiation. It also offers an excellent dental record, especially in the pre-treatment and post-treatment stages of dental care of the patient.

The production of the dental radiograph is a complex procedure that requires much skill, care and judgment on the part of the operator. Every dentist, having fulfilled the requirements for a degree of Doctor of Dental Surgery, has suffi-

cient skill and judgment to enable him to make good diagnostic intra-oral radiographs. The utilization of this ability furnishes an aid in the practice of general dentistry, both for the patient and for the dentist, and is a necessity in modern dental practice. Too often a poor radiograph is used in making an authoritative diagnosis. This fallacy often causes much loss of time during treatment as well as loss of income by the wrong financial estimate of the patient's treatment cost. Good diagnostic radiographs are as easy to produce as poor ones, and require only a few fundamental procedures to make them routine. Each of the following nine procedures must be carried out with equal care and precision regardless of the film target distance being used to produce good radiographic results.

## PROCEDURES

1. *Scope of the examination:* To conserve operating time, the extent of the oral cavity to be radiographed and the type of projection necessary should be determined before any radiographic procedures are attempted. Thus, all radiographs needed for the diagnosis and treatment plan of the case should, as far as possible, be taken at one time. Much time can be lost and unnecessary film used by radiographing each area only as the problems of that area are encountered.

2. *Patient's head position:* The chair must be adjusted to a position, seating the patient straight upright, so that the proper head position is not uncomfortable. The sagittal plane of the head should be perpendicular to the floor; and the occlusal plane of the arch to be radiographed, parallel with the floor. The external landmarks used to establish these occlusal planes are: for the maxilla, the tragus of the ear and the ala of the nose,

\*Presented at the Midwinter Meeting of the Chicago Dental Society, February, 1951.



for the mandible, the tragus of the ear and the corner of the mouth (with the mouth closed). This positioning of the patient's head greatly simplifies the judgment of the vertical and horizontal radiation angulation for each projection. The head of the x-ray unit moves upon two fixed axes. The horizontal rotation of the unit head is on a vertical axis that is perpendicular to the floor and cannot be varied from that angle. The vertical movement of the unit head, or cone, is on a horizontal axis that is parallel to the floor and cannot be varied from that relationship. Thus, the positioning of the patient's sagittal plane perpendicular to the floor and the occlusal plane parallel to the floor, establishes a simple geometric relationship between the proper patient head position and the movements of the x-ray unit head. The two fundamental planes, the sagittal plane and the occlusal plane, are either perpendicular or parallel to the axes of movement of the unit head.

3. *Film placement*: The placement of each film should be specific and positive. Each projection of the teeth requires that the film be located in a specific position to receive a true shadow of the teeth and as much of the surrounding and supporting tissues as possible. As an example, the routine film of the molar region should be positioned so that the anterior border of the film is not farther forward than the mesial embrasure of the first molar and the occlusal border approximately one-eighth inch beyond the occlusal surfaces. The routine film for the bicuspid region should be positioned so that the anterior border of the film will be at the vertical midline of the cuspid, and the occlusal border approximately one-eighth inch beyond the occlusal surface.

Specific placement of films accomplishes this step in the minimum amount of time as well as giving a uniform area projection.

4. *Film retention*: The film should be retained in position for the exposure by the patient or by a film holder, but never by the operator. When the short film target distance is used, the film should be

retained as close to the area to be radiographed as possible, with the minimum of film bending. This can be accomplished with the maxillary films by pressure of the patient's thumb on only the superior border of the film; and with the mandibular films, by firm pressure of the patient's index finger on the lower one-third of the film. When the eighteen or twenty inch film target distance is used, the films are retained in a position as nearly as possible parallel with the long axis of the teeth being radiographed by the use of a hemostat-type film holder or cotton rolls. This method should retain the film as close to the tissue to be projected as possible and still retain the parallel film and tooth relationship.

Any form of film retention should be sufficiently stable to prevent a movement between the film and the teeth while the exposure is being made.

5. *Vertical radiation angulation*: The general rule of vertical angulation is: Bisect the angle formed by the long axis of the tooth and the plane of the film, and direct the central ray perpendicular to the bisecting plane. When the tooth-film paralleling technic is used, the central ray is directed perpendicular to the tooth-film plane.

6. *Horizontal radiation angulation*: The horizontal angulation is the same with both the long and the short film target technics. This angulation normally should be perpendicular to a plane formed by the proximal contact points of the tooth or teeth being projected.

7. *Exposure time*: The normal exposure time for the specific technic being used will need to be varied only to compensate for the variations in the thickness and density of the part being radiographed. The proportionate amount the exposure time should be varied to compensate for variations of thickness and density of the oral structures depends upon the film target distance being used and the speed of the film. With technics requiring a normal exposure time of one and one-half seconds to four seconds for oral tissues, a one-half second, plus or minus variation range should be ade-

quate. With technics requiring a normal exposure time of four seconds to seven seconds, a one and one-half second plus or minus variation range should be adequate. It is imperative that the exposure time be the variable and controlling factor in producing radiographs of equal radiographic density rather than a variable processing procedure.

8. *Film care:* The saliva should be blotted from the film packet immediately following the removal from the mouth to prevent the moisture from reaching the film. The film should also be protected from the rays of future exposures before processing is accomplished. A proper radiographic procedure should provide a means of patient-film identification at this phase, as well as the proper care and protection of the film. A good practice is to write the patient's name or case number on each film immediately following the exposure. A mix-up in patient-film identification can be very embarrassing.

9. *Film processing:* This phase is probably the most neglected and yet one of the most important parts of the entire radiographic procedure. The preceding eight steps can be perfectly accomplished and the entire effort defeated by improper processing of the film. Each producer of x-ray film and x-ray processing solutions recommends specific procedures and an optimum time-temperature relationship for the use of their products. These recommendations are offered for the benefit of the dental practitioner and must be followed if the processing results are to be satisfactory. When the manufacturer recommends an optimum developing time for his solution of three minutes and sixty-eight degrees, it should be routinely followed as nearly as it is possible to do so. These solutions are compounded to produce a balanced reaction with the emulsion of the film in the specified time at the specified temperature. This balance of reaction produces a proper balance between the contrast and detail of the latent image produced on the film by the shadow projected by the x-radiation. The variations in film

density should be accomplished by the exposure time and not by varying the processing time. The processing procedure should be standardized and uniform for all films.

The utilization of the fundamentals of the nine steps in the radiographic procedures will aid in the production of good diagnostic radiographs. A good radiographic interpretation can only be made with the aid of good diagnostic radiographs. A poor radiograph can be compared to an illegible dental record, and both are worth neither the effort to obtain nor the space they occupy.

#### **COMPLETE RADIOGRAPHIC EXAMINATION**

The new patient accepted into one's practice for oral treatment or oral rehabilitation should receive a complete radiographic examination to aid the dentist in determining an authentic diagnosis, treatment plan, and financial estimate of treatment. A complete radiographic examination constitutes a full mouth periapical survey, including all remaining teeth and all edentulous areas, and a bite-wing survey of each interproximal space of the teeth in both the maxilla and mandible. The number of films required to accomplish this radiographic examination will be entirely dependent upon the conditions presented by the individual case. Cases with malaligned, malposed, or impacted teeth will normally require more projections to furnish complete radiographic information. The necessity of this type of examination is apparent in every type of case that is presented for treatment. Yet, it should be emphasized that it is only a part of the complete oral examination, and only an aid in the determination of the diagnosis and treatment plan. But, it is an essential part of the oral examination, and an essential aid in diagnosis and treatment planning. The use of this aid in the practice of dentistry can be portrayed by many examples and conditions. The field of oral diagnosis offers numer-

ous conditions that indicate the need for radiographic information. The most common use is as an aid in the detection of caries. The use of the mouth mirror and explorer is still the most accurate means of caries detection, but many conditions offer considerable difficulty in the thorough examination of some proximal tooth surfaces by this means. The bite-wing examination should be used to examine the proximal surfaces inaccessible to the explorer, as well as a check on the explorer's findings. That is, the bite-wing radiographic examination is used to supplement the examination by the explorer. The combination of these two means of caries detection gives the most accurate examination possible for caries defects. The bite-wings also give much desirable information in regard to such conditions as overhanging proximal fillings, recurrent caries, subgingival calculus, and the interproximal alveolar tissues. The true buccal-lingual and labial-lingual projections of the bite-wings give the most accurate image of the interproximal tissues of any of the intra-oral projections. The detection of early loss of interproximal tissue by the bite-wings often indicates the need for further examinations for such conditions, as faulty proximal tooth contacts and traumatic occlusion. The periapical radiographic survey offers much information in regard to oral diagnosis that is not usually obtained by other means. A few of these conditions that can be detected if present are: (1) the presence and location of unerupted and impacted teeth, (2) the pathologic or traumatic destruction of the periodontal membrane and lamina dura, (3) the presence of hypercementosis, (4) the extent of secondary dentine, (5) the presence of the osteoma, osteofibroma, cementoma, or other hard tissue tumors; as well as the soft tumors of the hard tissues, and the many types of cysts; (6) the presence of residual roots, cysts, or tumors in the edentulous areas.

Many cases receiving a complete radiographic examination will show no evidence of the more serious lesions such as cysts, tumors and abscesses, but it is im-

portant to know that these conditions are not present and that the oral supporting tissues are normal. Unnecessary guessing about the condition of the oral supporting tissues is not within the province of modern dentistry.

#### AID IN PRACTICE

Radiographic information offers aid in the practice of every branch of dentistry utilized in general practice. The operator is aided in the operative dental procedures by the radiographic information regarding the depth of the caries lesion, the size of the pulp chamber, depth of present restorations, presence of cement bases, and the contour of the adjacent proximal surfaces. The use of post-operative bite-wings in operative dentistry should be a routine procedure. The post-operative bite-wing examination of amalgam restorations, restoring proximal surfaces, should be made immediately following the carving procedure; it should be immediately processed and a wet reading made to check for overhang, proximal surface contour, and alloy fragments adhering to the restoration and under the gingival tissue. These discrepancies can very easily be corrected at this period of the operative procedure. The failure to correct these conditions when they do occur institutes a condition that is a predisposing cause to periodontal conditions. The bite-wing examination of the inlay restoration should be made immediately following the setting of the inlay restoration to check for complete seating at the gingival seat or margin, the presence of excess cement at the gingival margin and under the gingival tissues. In addition to this aid, the postoperative bite-wing gives a permanent record of the operative restorations the dentist has placed, and is an excellent means of correcting patient's misunderstandings about dental treatment when such circumstances arise.

In every case of extraction, radiographic information is valuable. It is much more beneficial to know the size, shape, and inclination of the roots, the

*(Continued on page 28)*



# NEWS OF THE BRANCHES

## NORTH SUBURBAN

Sometimes, when one sits down to write this column, he finds himself in the position of many good fisherman, "I had a big one, but it got away." (The fish being a story in this instance.) . . . First, I think "Congratulations!" are in order to Alvin H. and Mrs. Claus of Morton Grove for they have a new baby girl, Marcie Ruth, born April 26, 1951.—Congratulations also to A. F. and Mrs. Golding of Mundelein for a new baby boy born May 7, 1951.—L. V. Stephenson and R. L. Wescott attended the Michigan Periodontal Meeting recently.—Bill Redlich is back from Europe. The first week he looked much refreshed, but that harness needs a little saddle-soap again judging by the furrows on his forehead. . . . If we can keep enough of you fellows traveling internationally, we won't have to "read by the papers," but will have first-hand news. Let's go! . . . Wilson and Mrs. Fisher sailed for Europe May 31 on the *Queen Mary*. He plans to attend the Federation Dentaire Internationale in Brussels, June 9 to 11. In Switzerland, August 1 to 4, he will be at the American Dental Society of Europe. They will come back to the United States the end of August on the *Queen Elizabeth*. . . . We are sorry to report that D. M. Woodlock of 55 E. Washington St. is in Passavant Hospital because of a heart attack. . . . Paul Bass of Wilmette is again handling the University of Illinois telephone course for next year. . . . Mike Pauly of Winnetka reports that Frank Yager spent a three weeks' vacation in Florida. Mike liked the reports from Frank, so he then jumped into his new Packard and went to Palm Beach for two weeks. Frank has been elected to office in the Winnetka Rotary. . . . George Howell is "grinding a lot of teeth-correcting occlusion" (and solving problems too, maybe?) . . .

Dick Renn and two friends vacationed a few days in central Wisconsin. They camped out with tent and sleeping bags and walked and waded for a few speckled and rainbow trout, but reported an invigorating time. He believes that few people know that trout can be caught only five hours away from home. . . . Then we heard the one about the very young looking soldier who wrote home telling that he didn't have to show his identification card (for age) for beer, but only for about every fifth (you thought I was going to say time, didn't you?) . . . Don't say we didn't post this in season. The North Suburban Golf Outing is to be held Wednesday, July 11, 1951. It will be at Barrington Hills Country Club; an all-day affair with luncheon and dinner. . . . Perhaps the next columnists will have weather hot enough to breed stories like sand-flies. I'll help; will you? Many thanks to all of you who have helped verbally or by post card. . . . Don't forget the Chicago Dental Society Golf Outing, June 20, Nordic Hills Country Club.—*John C. McGuire, Jr., Assistant Branch Correspondent.*

## KENWOOD-HYDE PARK

Henry J. Urban, better known to his intimates and cronies as "Hank," recently burned up the fairways on the tricky Mt. Hawley course in Peoria, Illinois. May I be permitted to select a more appropriate name and call the trusty iron swinger "Cary Down the Middle Urban," now that Hank has captured the Illinois State Dental Society Golf Championship. More than a hundred divot diggers participated in the tournament and the redoubtable Hank capped the championship honors. . . . W. S. Kelly, the 55th Street short-wave expert, has undergone a serious operation at Billings Hospital. Late news indicates

that Worrall came through the ordeal and, after a few months of rest, he will return to the office. . . . Our new officers were installed at our last meeting and John McBride will direct Kenwood activities as president for the coming year. Roy Eberle was selected to be our vice-president and "Mashie Niblick" Wayne Fisher will continue to carry on the secretarial duties when he is able to divert his attention away from golf. Graham Davies will be the keeper of the purse as treasurer. . . . The Annual Golf Outing has been arranged for Wednesday, June thirteenth, at the Cherry Hills Golf Club. Now is the time to schedule your foursome for that special event and call Rudy Grieff, or, better yet, purchase a ticket. We will be seeing you at 191st and Kedzie Avenue, and a special sand-blasting event has been arranged, an event in which Walt Dundon, Phil Mathisen, and other swingers will participate. Cherry Hills is noted for its excellent food and service, so clear your vocal cords and come out and hear our new tenor section blending with the choice harmony that will prevail on that special day. . . . Don't forget the Chicago Dental Society Golf Outing, June 20, Nordic Hills Country Club.—*Howard E. Strange, Branch Correspondent.*

#### WEST SIDE

The West Side leads the way again in having the first successful golf outing of the current year. Everything was just perfect—the weather was ideal, the course was in grand shape, everyone played a good game and the dinner was excellent. We hope this will be a good omen for the other golf outings to follow. . . . We were fortunate to have as our guests Karl Richardson, Gus Solfronk, Ed Baumann, Sam Kleiman and Jim Keith. . . . George Blaha, Jr. scored the low gross with an 81. Jack Gombert and Carl Madda followed with an 83. Carl won the trophy given to the dentist with the lowest score. (It's usually the other way around with me.) . . . Low net scores using the Peoria

system gave Nate Addis a 66 and Max Ponitch, guest of the Herzon brothers, a 70. . . . The day was full of real comradeship, which is really the purpose of these outings. . . . DINNER TICKETS ARE NOW ON SALE FOR OUR FALL MEETINGS. CONTACT IRVIN C. MILLER AND RESERVE YOUR DINNER TICKET NOW!! . . . Harry Rubens has finished his two-year duty as dental officer with the U.S. Air Force Far East Command and has been honorably separated from this service. Harry now is traveling around the world and hopes to be home about Labor Day. His itinerary includes Singapore, Rangoon, India, Israel, Turkey, Greece, Italy, France, Spain and England. . . . Joe Weiss is in New York taking a postgraduate course in orthodontia. . . . Art Dunn has been sent to Japan with a group of the Air Force personnel. . . . Sam Lieberman has moved his office to 4804 Madison Street. His former office at 4400 Harrison Street is being razed to make room for the Congress superhighway. . . . Plans are being made to enlarge the dental clinic at Mount Sinai Hospital. Part of the new clinic will be included in the new Professional building that is being added to the hospital. The men on the staff who include many West Side members, donate their time and services to indigent clinic and hospital patients. . . . Joe Zieff is taking the Airbrasive course being offered at the University of Illinois. . . . Earl Boulger, Walter Kelly, Tom Burns, Jim Dillon and Sam Kleiman went together to the Illinois State Convention at Peoria. They reported a very successful meeting and they also had a very good time while there. . . . Tom Burns and Jim Dillon were active in conducting a guided tour through the Hiram Walker distillery in Peoria. (What a guy won't do to get a drink). . . . Sam Kleiman's Cadillac broke down while driving to Peoria and he almost didn't make it. Why don't you get a good car, Sam? . . . Frank Kropik is scheduled to speak on cerebral palsy on Ted Mack's radio program. . . . This is my farewell issue as official branch cor-

respondent. Before I close, I want to honestly thank and express my appreciation to you fellow members for your kind help in writing these columns for the last two years. Carlisle Weiss takes over as our new correspondent and you would help him greatly by 'phoning in any news item of general interest. This is the beginning of the vacation season and so it becomes increasingly difficult to find members in their offices. If you are going anywhere or planning a trip, call Carlisle at NEVADA 8-0098. LET US ALL HELP WITH THIS COLUMN. . . . BUY YOUR WEST SIDE DINNER TICKETS FROM IRVIN MILLER NOW. . . . Don't forget the Chicago Dental Society Golf Outing, June 20, Nordic Hills Country Club. . . . *Au revoir.* — *Irwin B. Robinson, Branch Correspondent.*

#### NORTHWEST SIDE

*Dear Folmer:* So, they tell me that you are our new correspondent for the Northwest Branch. So, in addition to my best wishes, congratulations, felicitations and all the rest, help yourself to just a little bit of sympathy as well. Of course, since you did go through the task of being a correspondent somewhere in the distant past, it won't be quite as strange to you as it might be to a new man. The trouble that you used to have getting news will still be with you. And the always available news from the few men who have to have their name in print will also be there at all times. But you will gradually sift out the wheat from the chaff, and then they'll all be down your throat. . . . Don't forget to stress the annual golf outing of our branch on June 27. Gus Tilley got away from the beaten path, and selected the Mt. Prospect Country Club as the site for this year's outing. Dinner and golf for six bucks. I am sure that the membership will be glad that you let them know about it this early, so that they might plan on it. . . . Abe Tamarin has moved into the Marshall Field Annex Bldg., so

perhaps we will be able to see him out on Tuesday nights again. . . . LeRoy Kurth has been appointed as a Civilian Consultant in Prosthodontia at the Percy Jones Hospital in Battle Creek, Michigan. And in the same series of announcements, another Northwester, Waldo Link, has received an appointment as Consultant in Operative Dentistry. . . . Jim Mershimer just back from a trip to Minneapolis to visit his daughter, who is back from a two-year stay in Cape Town, South Africa. . . . LaMar Harris on a trip to Mexico City to speak on acrylics. . . . On a rainy night at a meeting of the Professional and Public Relations committee, of the total attendance of nine, four were Northwesters. You might speak occasionally of the diligence with which we Northwesters tackle any job to which we are assigned. . . . Joe Rossa and Dick Jaskulski both ending up in the same block with new homes. . . . Morris Schneider so overwhelmed with being elected as president of the Illinois Alumni Chapter of Alpha Omega, that he has to take a week's fishing trip to recover. . . . By the time that you get to write your first column, you will have a chance to tell all about the N.W. Branch installation at the Furniture Club. . . . Here's an item that turned up in the "Fortnightly File"—B. B. Pawlowski was father of the bride. No mention of date, but it must be about two issues back. That date thing is something that you will have to watch. . . . Tried reaching Herman Wenger, who is a council member to the State Society from this district. Have had no luck for two days; maybe he is finishing out the week away from work. Herman is a good source of news at the state level. Give him a buzz every now and then. . . . Don't try to give an opinion on the meeting of May 4, unless you want to end up on the floor and very decidedly bloody. That's an editorial sort of thing, and we are just supposed to be reporters. . . . Thad Olechowski is generally good for a news item. . . . Joe Zielinski spent an evening showing his Kodachromes of his trip to South America to the Chicago

Dental Assistants. . . . Frank Biedka worked hard putting together that two-evening session of the Civil Defense training course. Reminded me of the war, and the Red Cross class at that time, including the bringing of blankets and splints. Only this time, it seems as though there won't be that many pieces to pick up. . . . How did the trip to the Virginia Military Academy turn out? Being in the receiving line with General Marshall and Bernard Baruch, would give one the feeling of sitting on the edge of greatness. I bet that your son was proud of his dad, and that to him, there wasn't a greater man there. . . . Reached Wenger. He says that even though the State meeting was quite successful, that the usual number of Northwester faces were not in evidence. The table clinic session on Thursday morning of the meeting had fifty (50) table clinics. One of the best clinic sessions in the history of the State society. . . . Spoke to Irv Neer. He still feels that the attempt of the branch to present a year of dental economics should have helped the men put dentistry in its proper dignified place. Apparently programming will continue to be a headache for the program chairman in any year. . . . So there it is, Folmer. Have a good time this coming year. With all the talk of unionization and should dentists have social security, it shouldn't be a quiet year. And news will make names, and names make news. So it shouldn't be too bad. . . . Don't forget the Chicago Dental Society Golf Outing, June 20, Nordic Hills Country Club.—*Ben Davidson, Branch Correspondent.*

#### NORTH SIDE

N. S. GOLF OUTING — CHEVY CHASE C. C.—JUNE 27. . . . Another tribute has been paid to our own Mel Zinser at the Illinois State Meeting this year; he was installed as president of that organization. Manley Elliott, Russell Boothe, Bill Schoen, H. W. Oppice, and Bob Janitschke are just a few of the N. S. men present at this state meeting. . . .

Ex-pres. Geo. Olfson is having a little trouble with his golf game, so get on the band wagon and collect a few dimes. . . . Andy Sauer, Jr. has finally succeeded in gaining occupancy of his new home—congratulations! . . . Edward O. Benson is now associated with Manley Elliott in the Uptown Bank Building. . . . Bill Cupis and Allan Rubin treated their lady friends to an evening of light drama; that's right, they finally got a couple of passes to see *South Pacific*. . . . Edward T. Suffka is rather proud of his winter reducing schedule that brought a fifteen pound improvement; nice going, Ed. . . . This column has been able to exist only because of some very much needed help of friends. Walter Nock, Francis Napollilli, Bill Cupis, Russell Boothe, Joe Ambrose, Fred Dattelzweig, and Bob Pond have been a few who have contributed news items to help fill this space. This is our last column and brings us to the end of a pleasant year of banging away at this blasted typewriter. . . . Don't forget the Chicago Dental Society Golf Outing, June 20, Nordic Hills Country Club. . . . All for ever.—*Robert B. Oppice, Branch Correspondent.*

#### ENGLEWOOD

If anybody is in his office and reading this—he shouldn't be. Boy, oh, boy! This swell weather has been worth waiting for. . . . Well, let's get on with the news. . . . We understand, by way of Jack Hilton, that Ben Jostes' daughter Judy was married recently. Judy is a senior student in Iowa and will graduate next month. . . . Glen Walden underwent an appendectomy a couple of weeks ago and recuperated by visiting his home in Canada. . . . A. G. Person spent spring vacation in Louisville, Ky. Hear tell he broke in his new Buick at the same time. . . . Tom Fleming is now taking names of those men interested in attending a Red Cross first-aid course. This program will begin in the fall. . . . Jim Stokoe spent a vacation in Wisconsin, recently. Jim had a fine time and reportedly caught



his limit of walleyes. . . . Did you know that three members of Englewood have the surname *McCarthy*. Some kind fellow supplied your correspondent with a news item, but no first name. So, here it is: John, Joe or Tom McCarthy recently visited with Ted Lindholm's father in Ocean Springs, Miss., while on a two-week tour through the Southland. . . . More about Englewood members:—Samuel W. Gutwirth addressed the Denture Research Group on April 4 and 25 and again on May 23 on the general subject of "Relaxation and Health—A Neurophysiological Method of Relaxation." The last lecture was on "The Technique of Relaxing the Mind," with a demonstration on an untrained subject, namely Ray Marcus. . . . Boles Gobby and Frank Farrell took part in Limited Attendance clinics on the Psychosomatic Principles of Denture Practice at the Illinois State Dental Society's 87th Annual Meeting at Peoria on May 9 and 10. Table clinics were given by Joe Ruzic—"Oral Surgery Problems"; George Runyan—"Mouth Reconstruction"; Dan Duffy and Francis J. O'Grady—"Root Canal Treatment." . . . Your correspondent would like to close with a word of warning. If you are a fellow who enjoys *fun, food, fellowship*, and a *fine time*, do not forget the golf meet—Cherry Hills Country Club, 191st and Kedzie, June 27. . . . Also, do not forget the Chicago Dental Society Golf Outing, June 20, Nordic Hills Country Club. —*Lawrence E. Lucas, Branch Correspondent.*

#### WEST SUBURBAN

From the Lions' Code of Ethics: "To be careful with my criticisms and liberal with my praise; to build up and not destroy." There is one emotion that probably is more destructive than any disease or force on this earth—worry. I am afraid that we all worry in spite of the fact that it is a sin. The mere fact that it is an inferior emotion does not keep us from worrying. However,

it can be beat and I think the following story will illustrate what I mean. The story as told by Willis H. Carrier, brilliant engineer of the air-conditioning industry, starts when as a young man he was sent to Crystal City, Mo., by the Buffalo Forge Company of New York. There was a method of purifying gases to be installed and, although very new and considered successful, it failed here. After loss of many nights of sleep, he realized he was not getting anywhere, so he came upon the following solution: 1. "I analyzed the situation fearlessly and honestly and figured out what was the worst that could possibly happen as a result of this failure. The company would lose \$20,000 invested in machinery, I would probably lose my position, but no one was going to jail." 2. "After figuring out what was the worst that could possibly happen, I reconciled myself to accepting it if necessary. My company could well afford the loss of \$20,000 and, after all, it was a new project. After losing my job, I would still have my health, energy, and family, in spite of the blot on my record. I immediately felt relaxed and regained my peace of mind." 3. "From that time on, I calmly devoted my time and energy to trying to improve upon the worst, which I had already accepted mentally." After concentrating on the problem (which he could not do before), he found with research work that an additional \$5,000 expenditure would save his job and the company would get out with a \$15,000 profit. In other words, when we worry, our minds jump here and there and get nowhere. Oh, boy! I can really make use of the above. My assistant's mother is ill, so she will have to stay there for good. The new girl walked out one noon and left the key on the hook. I'm writing this on Mother's Day besides, so things are not *kosher* at home. . . . I would embroider a towel, toothbrush holder or anything (and I can't sew), if I had 50 fellows like Wayne Dunnom. The latest of Wayne's exploits is being accepted for membership at the Brookwood

(Continued on page 24)



# DIRECTORY CHICAGO DENTAL SOCIETY

Central Offices: 30 N. Michigan Ave., Chicago 2, Ill., Phone RANDolph 6-4076

Kindly address all communications concerning business of the Society to the Central Office

## Officers

Edwin W. Baumann  
James H. Keith  
Elmer Ebert  
Samuel R. Kleiman  
Gustav W. Solfronk

*President*  
*President-Elect*  
*Vice-President*  
*Secretary*  
*Treasurer*

Karl S. Richardson *Executive Secretary*

## Publication Staff

James H. Keith *Editor*  
Karl S. Richardson *Business Manager*

## Committee on Dental Health Education

Clarence A. Hanson *Chairman*  
Edgar T. Stephens *Program Director*

## Directors

Basil A. Cupis	<i>North Side, 1952</i>
Thad Olechowski	<i>Northwest Side, 1952</i>
Joseph F. Voita	<i>West Suburban, 1952</i>
Harry W. Chronquist	<i>North Suburban, 1953</i>
Milton Cruse	<i>Englewood, 1953</i>
Robert L. Kreiner	<i>Kenwood, 1954</i>
L. G. Bettenhausen	<i>South Suburban, 1954</i>
A. J. Sells	<i>West Suburban, 1954</i>

## Editorial Staff

Frederick T. Barich	<i>Contributing Editor</i>
Edward J. Sullivan	<i>Abstract Editor</i>
Warren Willman	<i>C.C.D.S.</i>
John M. Spence	<i>U. of Ill.</i>
James R. Schumaker	<i>N.U.D.S.</i>
Frank J. Orland	<i>Zoller Clinic</i>

## Branch Correspondents

Lawrence E. Lucas	<i>Englewood</i>
11055 S. Michigan Ave., Waterfall 8-4044	
Howard E. Strange	<i>Kenwood-Hyde Park</i>
2376 E. 71st St., FAirfax 4-4727	
Herbert C. Gustavson	<i>North Side</i>
5154 N. Clark St., RAvenswood 8-2100	
Folmer Nymark	<i>Northwest Side</i>
4005 W. North Ave., SPaulding 2-5029	
Douglas W. Cook	<i>North Suburban</i>
627 Grove St., Evanston, University 4-1030	
H. C. Gornstein	<i>South Suburban</i>
1603 Halsted St., Chicago Heights	
Chicago Heights 185	
Carlisle Weiss	<i>West Side</i>
3203 W. Madison St., NEvada 8-0098	
Olaf Opdahl	<i>West Suburban</i>
6280 W. North Ave., MErrimac 7-6292	

## Branch Officers

<i>Englewood</i>	Irvin G. Oaf, <i>President</i>
	Harry H. Kazen, <i>Secretary</i>
<i>Kenwood-Hyde Park</i>	John J. McBride, <i>President</i>
	Wayne L. Fisher, <i>Secretary</i>
<i>North Side</i>	N. Manley Elliott, <i>President</i>
	Edmund B. Kirby, <i>Secretary</i>
<i>Northwest Side</i>	Joseph C. Ullis, <i>President</i>
	Casimir J. Rogalski, <i>Secretary</i>
<i>North Suburban</i>	Olan B. Kibler, <i>President</i>
	O. E. Scott, <i>Secretary</i>
<i>South Suburban</i>	Harry M. Lees, <i>President</i>
	Sidney D. Bayer, <i>Secretary</i>
<i>West Side</i>	Robert Tuck, <i>President</i>
	Harold H. Epstein, <i>Secretary</i>
<i>West Suburban</i>	Clarence A. Hanson, <i>President</i>
	L. W. McNamara, <i>Secretary</i>

## Ethics Committee

Irvin G. Oaf	1952
George H. Welk	1953

## Applications for Membership

The following applications have been received by the Ethics Committee: Any member having information relative to any of the applicants, which would affect their membership, should communicate in writing with Irvin G. Oaf, 842 W. 79th St. Anonymous communications or telephone calls will receive no consideration.

## Applicants

BARALT, JR., A. RAYMOND (Temple 1942)  
West Suburban, 1757 W. Harrison St. Endorsed by W. I. McNeil and George J. Matousek.

#### STATE SOCIETY MEETS IN PEORIA

(Continued from page 7)

in his opinion, to develop state social welfare without going all the way to the police state. The growing trend toward socialism and statism makes it clear that we in America want no part of these issues which can lead only to tragic results.

#### SPECIAL FEATURES

President Walter J. Gonwa presided over the sessions with commendable dignity and conducted the Society's affairs with a minimum of confusion. His "President's Address," a progress report, showed that all the Standing Committees were on the job and working each in its own way to make the year a success. The Clinic Committee, under the guidance of Dr. Mahoney, put on an outstanding display of table clinics and the President's Dinner, with P. S. Newirth as chairman, was excellent in every respect.

# 18 years

## PROFESSIONAL MEN ONLY

It's Accumulated "Know-How" that saves the Doctor Time and Money

#### PROFESSIONAL

Business Problems

Auditing

Office Systems and Records

Collections

Income Taxes

J. P. REVENAUGH  
H. F. KEISTER  
55 E. MADISON ST.

# Service Bureau

STATE 2-2282

*Do you know that*  
**WE MAKE IT EASY**  
*for you to sell your GOLD SCRAP*  
*at top prices???*

small lots purchased over-the-counter; larger lots  
get the benefit of a Ney double-checked  
precious metal assay.



Jeanne Wilkinson, Manager

THE J. M. NEY COMPANY • 1811 PITTSFIELD BUILDING  
CHICAGO, ILLINOIS

38NY48

## NEWS OF THE BRANCHES

(Continued from page 19)

Country Club and he is going to take the opportunity to relax. Suggested lunch sometime. (No golf?) Well, my "130" is no inducement; probably he looked at my waist and decided I like to eat better. Thanks, Wayne. . . . It's the biggest thing since MacArthur!!! What!!! Golf!!! Golf!!! Golf!!! Nordic Hills Country Club, Wed., June 27. Prize Roast Beef Dinner. See Howard Buchner, orthodontist at 1011 Lake St., Oak Park, or phone Eu. 6-8680. . . . Wallace N. Kirby, PLEASE! You promised in spring. . . . Sorry to hear one of the young timers is retiring. Forrest E. Gillespie, past president of West Sub. in 1920 and one of the foundation stones of dentistry, is retiring. Forrest is a hard worker and well liked. Dr. Harry Brown is taking over his practice. Drop us a line, Forrest, and tell us what you are doing. . . . Harry Cornwell visited New Orleans for a well-earned rest. . . . Paul Topel is on his toes. Just returned from Ann Arbor, Michigan, where he attended a Spring Seminar given by the W. K. Kellogg foundation. Paul promises me a more detailed report later. . . . John C. Dumelow is planning a European vacation. . . . !!!Round Table!!!

Oak Park Club noon—12 O'clock on June 4. This is the last of the season, so come join us unless you have a very good reason. Definitely one of the better meetings. W. F. Brown, Universal Oil Prod. Co. Mfg. of "Cat" Cracking Gasoline. . . . I am just leaving to attend wakes for two friends, Leon Roe, well-known real estate operator, formerly on North Ave., and Dr. Guido A. Walthers, class of 1904, Chicago (Loyola) Dental College and inactive in the last few years in dental circles. Guido was an officer of West End Lions for many years. Both are at funeral parlors at 5701 Division St., Chicago. . . . In memory of all those departed in the past year:

### IN MEMORY

You never can be dead, not while the laughter

And joy that you have made lives on  
You cannot be dead—

You are transplanted, just across the way,

And we will meet you, smiling there, some day. . . .

Any news, call Me. 7-6292. . . . Don't forget the Chicago Dental Society Golf Outing, June 20, Nordic Hills Country Club.—*Olaf S. Opdahl, Branch Correspondent.*

## PROTECTION YOU CAN "BANK" ON!!

We urge you to check up on your insurance needs before some mishap "blots" out your security. Our policies and Bonds GUARANTEE protection against Loss of Income, Hospital Expense, Fire, Burglary, Forgery, Auto Accidents, Injury to your employees, and the public. Ask us about our new low-cost Retirement Savings Plan and Juvenile Educational Policies. Our Mortgage Redemption policy costs so little but means so much.

### HUNTINGTON AND HOMER, INC.

400 W. Madison Street

CHICAGO 6, ILL.

STate 2-5393

AGENTS FOR THE DISABILITY AND HOSPITAL PLANS OF THE CHICAGO DENTAL SOCIETY

## Exclusive Jacket Work Porcelain or Plastic

The best proof of what we can do for you is in a personal test. You be the Judge, Doctor!  
1922 PITTSFIELD BLDG.

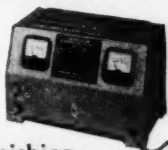
CEntral 6-0557





More  
**LUSTROUS**  
than ever  
before

NOBILIUM PARTIALS now have a sparkling brilliance and greater appeal to patients . . . thanks to the new, Nobilium Electrolytic Process. This scientific method assures a smoother, brighter finish to ALL SURFACES including the inner side of clasps, boxings and hard-to-reach places. Electrolytic polishing retains the faithful accuracy of your impressions without the slightest disturbance to detail, rugae, etc., which is so easy to distort with ordinary mechanical finishing with points and brushes. What's more, these highly polished cases provide an even more satisfying cleanliness that is easy to maintain. **For better, more pleasing Nobilium restorations entrust them to your nearby Nobilium laboratory.** And remember this new Nobilium service is available to you *without additional cost.*



**NOBILIUM PRODUCTS, INC.**

125 N. WABASH AVE., CHICAGO 2, ILL.  
914 WALNUT ST., PHILADELPHIA 7, PA.



## NEWS AND ANNOUNCEMENTS

(Continued from page 10)

gain admittance to schools and complete necessary requirements. The survey is being used in counseling veterans planning to train under the G.I. Bill and Public Law 16.

The demand for dental services has been increasing at a rapid rate and although the annual graduation from dental schools averaged 2,100, slightly more than the number needed to replace those who die or retire each year, there still are not enough to meet the increased demand.

### FLUORIDATE OR FLUORIDIZE

Ever since fluorides first were suggested for the prevention of dental caries, questions have been raised as to the proper use of words to indicate the addition of such compounds to the drinking water and also their application to teeth.

Dr. George B. Deaton, research consultant of the A.D.A., after a study of the terms, has suggested that the following terminology be used: 1. The use of the terms *fluorinate* and *fluorination* is not permissible. 2. The addition of fluoride to drinking water is indicated by the verb *fluoridate* and the noun *fluoridation*. 3. The use of fluoride as a therapeutic measure the prevention of dental caries is indicated by the verb *fluoridize* and the noun *fluoridization*.

### FRANK W. TRACY 1879-1951

Frank W. Tracy, a member of the South Suburban Branch of the Chicago Dental Society, passed away on March 11, 1951. He practiced in Blue Island.

Dr. Tracy was graduated from Northwestern University Dental School in 1914. He was a past exalted ruler of Blue Island Elks lodge 1331. Surviving are a daughter, Marguerite; and a son, Robert.



## THE DOCTORS' SERVICE BUREAU

Owned and Operated by Members of the  
Chicago Dental and Medical Societies

offers—



### FREE CREDIT REPORTS

To keep your losses low



### FREE LETTERS TO DELINQUENTS

To collect slow accounts at no charge



### A COLLECTION SERVICE

At less than 25% on average

THE DOCTORS' SERVICE BUREAU • Central 6-6446 • 201 North Wells St.

## Edward Sanatorium

NAPERVILLE, ILLINOIS  
30 miles west of Chicago  
EST. 1907

### FOR THE TREATMENT OF TUBERCULOSIS

Jerome R. Head, M.D.—Chief of Staff

Ideally situated — beautiful landscaped surroundings — modern buildings and equipment

A-A rating by Illinois Department of Health

Full approval of the American College of Surgeons

Active Institutional member of the American Hospital Association

For detailed information apply to

Business Office at the Sanatorium

Telephone  
Naperville 450



for better dentures...  
"TALK with SALK"



**P**lan to stop in soon for a discussion and demonstration of dentures made by our systematic, simplified, successful system. Let us explain how our studies of the dentist-laboratory relationship are paying off in better fitting, functionally balanced, lifelike restorations. We will gladly illustrate the basic principles which make Salk Scientific Dentures so satisfactory: the establishment of vertical dimension with specifically designed bite blocks, bite registration and restoration of equilibrium. For dentures that provide comfort, service and aesthetics with a minimum expenditure of your chair time—come in and talk with Salk. You will incur no obligation. Call today and tell us when to expect you.



## SALK SCIENTIFIC DENTURES

1324-26 MARSHALL FIELD ANNEX BLDG.  
25 EAST WASHINGTON ST., CHICAGO 2, ILL.

**DENTAL RADIOGRAPHY FOR THE  
GENERAL PRACTITIONER**

*(Continued from page 14)*

condition of the supporting tissues, and the strength of the crown before the extraction is attempted rather than after the operation is completed. It not only saves time and effort by using the proper procedures, but it also gives the patient the benefit of correct treatment. Cases of fixed or removable restorative prosthesis require radiographic information to aid in the determination of the condition of the abutment teeth and the edentulous areas. A fixed bridge or a partial denture is no better than the abutment teeth used for its retention, regardless of the precision of design and construction. Cases of full denture prosthesis should require an intra-oral alveolar radiographic survey before the restorative treatment is started. Smith<sup>1</sup> reported a radiographic survey of 1,000 edentulous cases and found that 22.4% of them showed evidence of residual roots, root tips, bits of debris, or cysts. This percentage of discrepancies

found in the edentulous cases is sufficiently high to make the radiographic survey a necessary step in the case treatment.

**USE IN CHILDREN'S DENTISTRY**

Children's dentistry offers many more indications for radiographic examination than does adult dentistry. Practically all of the conditions that are indications for radiographic information in the adult's case are indications in the child's case. In addition, the child case also offers the conditions of relative development and growth of the individual arches and teeth as well as missing teeth, resorbed roots, impacted teeth, unresorbed roots, and many other conditions peculiar to the deciduous dentition, as well as eruption and early care of the permanent dentition. The first radiographic survey of the child patient should be followed by a semi-annual bite-wing examination and annual full survey examination, normally until all of the deciduous teeth have been replaced by the permanent dentition.

**A FAST AND  
ACCURATE SOURCE**

for

*All Dental Supplies*

Daily auto delivery to all  
points of the city and suburbs.

Phone: LOngbeach 1-3350-3351

**FRINK DENTAL SUPPLY CO.**

Uptown Bank Bldg.

4753 Broadway, Chicago 40

The other branches of dentistry, such as orthodontia, periodontia, and oral surgery, offer many indications that make the radiographic examination a requirement for adequate diagnosis and treatment.

The use of recheck radiographic examinations for the child patient has already been indicated. For the adult patient with a full or partial dentition, the bite-wing examination should be made annually, and the full-mouth radiographic examination at five-year intervals. The need for routine radiographic recheck of the edentulous cases has not been demonstrated.

#### X-RADIATION

This discussion so far has dealt entirely with the use of x-ray in the general practice of dentistry with complete disregard to the dangers of x-radiation. The full use of radiography in the general practice should never subject the patient to the maximum limit of the safe x-radia-

tion dosage. The safe patient dosage is 100 roentgen at the same area on the same day. As an example, a three-second exposure using ten milliamperes and 45 K.V. and an eight-inch skin target distance will produce a dosage of about 5 roentgen. This would allow for twenty three-second exposures on the same area on the same day and still be within the safe patient dosage. Using the three-second exposure as the average and an eight-inch skin target distance, approximately eight full mouth surveys could be made on the same patient the same day and remain within the safe patient dosage. Few, if any, circumstances in general practice will necessitate the patient receiving any dosage approximating the maximum safe dosage of x-radiation.

The dangers of the dentist or operator receiving an overdose of x-radiation is very much greater than the danger to the patient. The dentist uses the x-ray unit daily, and since the effects of the radiation upon the tissues are cumulative, he must always protect himself from re-

Precision

Attachments

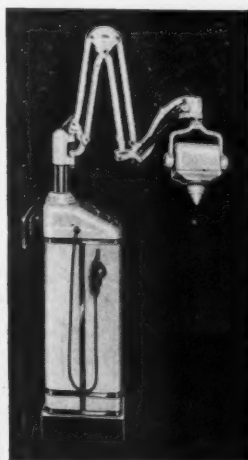
Stressbreakers

The finest  
Laboratory  
work  
available

# STEINER

Dental Laboratories  
1822-6 PITTSFIELD BLDG.  
FR 2-4316

## FIRST CHOICE...



By DOCTORS  
Who KNOW  
the  
WEBER 7A  
RAYDEX  
is

EASY TO OPERATE...  
ADAPTABLE TO ALL  
THE LATEST TECH-  
NIQUES... READILY  
SWITCHED FROM  
SHORT TO LONG  
CONE WITHIN A FEW  
MINUTES...SAFE FOR  
PATIENT & OPERATOR  
...SAFE FROM STRAY  
RADIATION... 100%  
ELECTRICALLY SAFE...  
DESIGNED FOR  
POSITIVE RESULTS...  
SMOOTHLY MANIPU-  
LATED... FIRM WHEN  
IN POSITION... AC-  
CURATE TO THE KILO-  
VOLT.

**M. LARSON COMPANY, INC.**

225 N. PULASKI ROAD CHICAGO 24, ILL.  
Phone VAn Buren 6-8070

ceiving more than the safe daily dosage. This safe daily operator dosage is .2 roentgen. As an example to emphasize this amount of radiation, an operator holding one film in the mouth of a patient with his hand while the exposure is being made will receive on that hand approximately twenty times his safe daily dosage on that hand. Therefore, one cardinal rule in dental radiography is that the operator never holds the film in position while the exposure is being made. The safe daily operator dosage is small, but he can easily keep within that safe range by a few simple precautions. First, the cardinal rule which has been stated: never hold the film in position while the exposure is being made. Second, the operator must always stay out of the path of the primary radiation. This can be accomplished by standing in back of the x-ray unit head or behind the x-radiation-safe screen during the exposure. These simple precautions will adequately protect the operator from exceeding his safe daily dosage of x-radiation, but they must be strictly followed without fail. The manufacturers of dental x-ray equipment have designed the present units so that they are free of unnecessary stray radiation and perfectly safe for the maximum use in radiography. The operator is perfectly safe from the radiation effects if he habitually stays out of the path of the primary radiation.

#### IDENTIFICATION

The radiographic records of many general practitioners in recent years have been an invaluable aid to civilian identification in aircraft, railroad, and automobile tragedies, as well as amnesia cases. The present demand for increased speed

in all modes of travel without adequate means of safely utilizing this speed, has produced accidents with bodily mutilations that have destroyed almost all features of identifications. The dental structures are very seldom if ever completely destroyed in accidental mutilations, and often are the only means by which positive identification can be accomplished. Cases of mutilation by fire may leave only the dental structures as a means of identification. The dental radiographic record is probably the most adequate aid, under these circumstances, for positive identification.

#### SUMMARY

The production of good diagnostic radiographs is within the realm of ability of every dentist and can be accomplished by reasonable skill and care by performing the nine fundamental steps of the procedure. The information obtained from the radiographs offers an essential aid in the practice of all phases of dentistry. Periodic radiographic examinations are a vital aid in early detection of lesions and conditions that might cause a failure in the proper function of the oral tissues. The use of x-radiation by the general practitioner as a diagnostic means is a perfectly safe procedure, but requires the precaution of keeping free of the direct radiation. The modern practice of dentistry requires the use of radiographic information to afford the patient an adequate dental health service.

#### BIBLIOGRAPHY

Smith, E. S., *Findings in the Roentgenograms of Edentulous Patients*, J.A.M.A., 33:584-587, May, 1946.

### BEAUTIFUL TRANSLUCENT PORCELAIN AND ACRYLIC JACKETS

that you would be proud to put in your own mouth

We pick-up and deliver to the Chicago area

**M. W. SCHNEIDER DENTAL LABORATORY**

27 EAST MONROE ST., CHICAGO 3, ILLINOIS Central 6-1660

